

Notice of Allowability

Application No.

09/918,185

Examiner

Lilian Vo

Applicant(s)

YAUNG, ALAN TSU-I

Art Unit

2195

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communication filed 9/25/06.
2. ☒ The allowed claim(s) is/are 1 - 10, 12 - 26, 28 - 42, 44 - 48 now renumbered as 1 - 45.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 9/25/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20061207
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

MENG-AL T. AN Lilian Vo
SUPERVISORY PATENT EXAMINER
BIOLOGY CENTER 2195
Art Unit: 2195

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. David Victor on 12/7/06.

3. The application has been amended as follows:

In the claims:

i) **Delete claims 11, 27, 43, 49, 50 and 51**

ii) **Replace claim 1:**

Claim 1 (Currently Amended): A computerized method for enabling access to a plurality of service engines, wherein each service engine enables access to service resources, comprising:

providing a plurality of service class implementations for service engines from different vendors, wherein each service class implementation provides an implementation

of methods and objects from a same abstract service class, wherein the service class implementations for the service engines include both a client side service class and server side service class, wherein the client side service class includes methods and objects used to access information on resources available at one service engine, wherein the server side service class includes methods and objects to access information on resources available at one service engine, and wherein the client side service class methods are invoked on a client system and the server side service class methods are invoked on a server including the service engine;

receiving, at the client system, a construct method to construct a client side service object to access the service engine;

constructing the client side service object in response to the construct method;

communicating the construct method to the server to cause the server to construct a server side service object;

instantiating the server side service object for one service engine in response to the construct method, wherein the service object includes information on the service engine; and

issuing method calls from client applications in the client system to access information from the service engine using the constructed client-side and server side service objects.

iii) **Claim 12:**

Line 1: replace "11", -- 1 --;

iv) **Replace claim 17:**

Claim 17 (Currently Amended): A system for enabling access to a plurality of service engines, wherein each service engine enables access to service resources, comprising:

(a) a client system, including:

(i) a client computer readable medium, wherein the client computer readable medium stores a client side service class, and wherein the client side service class includes methods and objects used to access information on resources available at one service engine;

(ii) means for receiving a construct method to construct a client side service object to access the service engine;

(iii) means for constructing the client side service object in response to the construct method;

(iv) means for communicating the construct method to the server to cause the server to construct a server side service object; and

(v) issuing method calls from client applications in the client system to access information from the service engine using the constructed client-side and server side service objects; and

(b) a server system, including:

(i) a server computer readable medium, wherein the server computer readable medium stores server side service class implementations for service engines from different vendors, and wherein the server side service class includes methods and objects to access information on resources available at the service engines from a same abstract service class; and

(ii) means for instantiating a service object in the server computer readable medium for one service engine in response to the construct method wherein the service object includes information on the service engine.

v) **Claim 28:**

Line 1: replace "27", -- 17 --;

vi) **Replace claim 33:**

Claim 33 (Currently Amended): An article of manufacture comprising a computer readable medium storing code executed by a computer for enabling access to a plurality of service engines, wherein each service engine enables access to service resources, wherein the code is capable of causing operations to be performed, the operations comprising:

providing a plurality of service class implementations for service engines from different vendors, wherein each service class implementation provides an implementation of methods and objects from a same abstract service class, wherein the service class

implementations for the service engines include both a client side service class and server side service class, wherein the client side service class includes methods and objects used to access information on resources available at one service engine, wherein the server side service class includes methods and objects to access information on resources available at one service engine, and wherein the client side service class methods are invoked on a client system and the server side service class methods are invoked on a server including the service engine;

receiving, at the client system, a construct method to construct a client side service object to access the service engine;

constructing the client side service object in response to the construct method;

communicating the construct method to the server to cause the server to construct a server side service object;

instantiating the server side service object for one service engine in response to the construct, wherein the service object includes information on the service engine; and

issuing method calls from client applications in the client system to access information from the service engine using the constructed client-side and server side service objects.

vii) **Claim 44:**

Line 1: replace "43", -- 33 --;

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lilian Vo whose telephone number is 571-272-3774. The examiner can normally be reached on Thursday 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on 571-272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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December 7, 2006

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